BE 20.109 Laboratory Fundamentals of Biological Engineering
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Setup: Science and engineering are about discovery and problem solving, but that activity is meaningless without effective communication. When communicating we not only share our discoveries, we also acknowledge the foundational efforts that our work is built on. Just as we expect accurate and careful work in the lab by ourselves and our colleagues. We have equally demanding expectations for precision and accuracy in acknowledging the work of others.

Traditionally the process of citing work in publications is one of the most tedious and frustrating activities that researchers and academics engage in. You are fortunate to be entering this field in an era where there are tools to support and simplify the citation and acknowledgement process and that's what we'll cover in today's session.

This session:
- Show how a citation management tool, in this case –RefWorks, can help support the writing process.
- Generate a manuscript
- Create an account
- Populate an account with your research using library resources.
- Create your own manuscript

Search example build around *Caulobacter crescentus*
Model organism that attracted interest because of it asymmetrical cell division – see EOL
http://eol.org/data_objects/13310466

RefWorks – gauge awareness and experience from group. Ask people who have used it about their experience?

Manuscript demonstration. Write a sentence. Cite. Write another sentence. Cite. Re-format bibliography – Say from ACS to APA.

Get started:
- Go to library web page, navigate to RefWorks, then to RefWorks website.
- Create an account.
- Go to tools, and download write-and-cite (mac or word).
- Note other tools – eg RefGrabit.

Build a database
- Search Barton from RefWorks for *Caulobacter crescentus* pulls up 8 citations, pick a couple and drop into RefWorks.
- Search PubMed from RefWorks for Caulobacter cresentus and MIT
  - Note SFX and explain to class

Go to WOS via Vera
- Search for C*. crescentus* Drop a few records into RefWorks
- Pull EOL record using RefGrab-It

Edit records

- Upload PDF
- Show notes fields
- Ability to create new records
- Ability to use as group account.

Wrap up

- Go back to manuscript and add new items.
- Show help